



Rometec s.r.l.

Via Alessandro Minuziano, 87-89 , 00128 Roma

Tel. 065061635 – Fax 065061542

Sito web: www.rometec.it – email: info@rometec.it

P. IVA 04120621000 - CCIAA RM 736916

Reg. Soc. Tribunale RM 9229/91 - Cap. soc. 46'482,00 €



CERTIFICATO 1237 *
Certificate

MTF per creare miscele di 2 o 3 gas



Esempio di miscelatore per 2 gas.

To blend two or three gases in homogeneous innitely variable concentrations, directly at the end use point, this gas proportioner is unsurpassed in convenience and economy.

Gas proportioners pay for themselves since they eliminate the need for expensive custom blended gas mixtures.

They lend fl exibility and economy to the utilization of component gas cylinders and “piped-in” supply lines.

Another advantage in laboratory investigations is the freedom to reproducibility increase or decrease concentrations during the course of an experiment.

The flow rates are not affected by downstream pressure variations as long as back pressures do not approach or exceed the input pressure. Input pressures of up to 200 psig (13.8 bars) can be used; however, customers’ very often find 50 psig (3.45 bars) a convenient setting to work with.

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Design features:

- Blending of two or three gases with gas proportioners obviates the need for:
 - ORDERING FIXED GAS MIXTURES .
 - CONTAMINATION FROM REUSABLE GAS CYLINDERS .
 - POTENTIALLY INACCURATE MIXTURES BY GAS SUPPLIERS.
- Rib-guided or fluted metering tubes facilitate stable, accurate readings.
- Scales minimize parallax and eye fatigue.

150 mm Gas Proportioner Frames

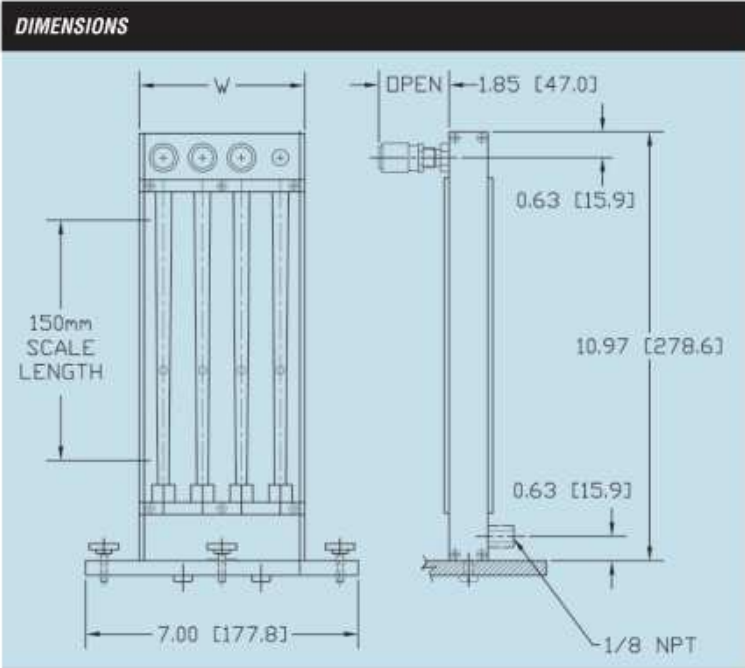
Model	Tube Capacity	Wetted Parts
MTP-112	2	Aluminum
MTP-212	2	316 SS
MTP-113	3	Aluminum
MTP-213	3	316 SS

Model Standard Valve 6-turn

Aluminum	SS	Flow Rate (Air) mL/min	Flow Rate (H ₂ O) mL/min
FV-11	FV-21	0 to 5000	0 to 125
FV-12	FV-22	5001 to 10000	126 to 325
FV-13	FV-23	10001 and above	326 and above

Model High Precision Valve 16-turn

Aluminum	SS	Flow Rate (Air) mL/min	Flow Rate (H ₂ O) mL/min
FVH-11	VA81	0 to 200	0 to 6
FVH-12	VA82	201 to 400	7 to 12
FVH-13	VA83	401 to 1000	13 to 26
FVH-14	VA84	1001 to 2500	27 to 80
FVH-15	VA85	2501 to 6200	81 to 200
FVH-16	VA86	6201 and above	201 and above



Esempio di miscelazione di 3 gas

FLOW TUBE MAXIMUM FLOW RATES						
AIR [mL/min]	ARGON [mL/min]	CARBON DIOXIDE [mL/min]	HELIUM [mL/min]	HYDROGEN [mL/min]	NITROGEN [mL/min]	OXYGEN [mL/min]
83	67	97	73	169	85	74
127	104	146	117	267	131	114
242	200	265	241	535	249	218
415	343	437	450	967	426	376
191	161	203	195	399	197	166
270	229	279	302	662	283	246
460	383	478	573	1185	471	442
743	625	702	1094	2013	771	719
324	270	346	333	844	331	294
505	412	494	569	1209	467	460
825	687	771	1089	2432	833	764
1275	1062	1132	1972	3732	1303	1175
1086	855	934	1779	3110	1016	930
1324	1115	1168	2468	4289	1340	1228
2024	1717	1724	4083	6740	2034	1905
2912	2472	2521	6927	9979	2997	2703
2008	1697	1747	4214	6711	2039	1865
2590	2186	2264	5656	8995	2643	2503
3903	3274	3343	8669	14490	3731	3685
5547	4697	4691	12717	19993	6169	5210
5528	4794	4954	12540	18862	5801	5381
7240	6163	6217	15703	25235	7415	6826
10813	9077	9178	24629	38556	11044	10335
15322	12904	12879	34709	55936	15433	14451
9294	7705	7888	19830	30900	9419	8749
11647	9969	10042	26008	45263	11955	11137
17311	14489	14420	40831	60300	17525	16353
24065	20744	20099	59702	86369	24549	22905
19767	17978	17936	48193	73500	21676	19931
27514	23001	54010	63240	97000	27449	25800
38995	33778	33087	98676	142000	40086	36821
55293	47151	45745	139847	200500	55930	52494
49374	41899	40520	125617	182239	50258	46851
62480	53038	51220	159976	231239	63595	59304
89880	76322	73584	231946	333775	91478	85341
123846	105182	101303	321265	460942	126041	117615

Tubi con i fondoscala più comuni